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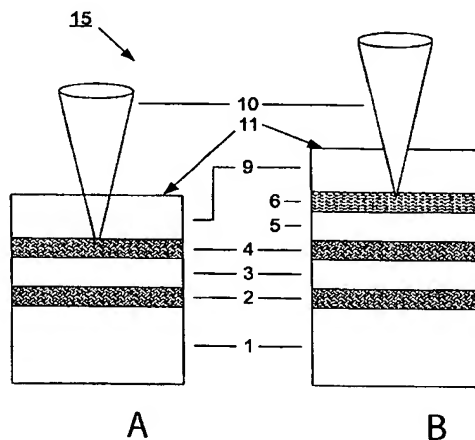
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(54) Title: **MULTI STACK OPTICAL DATA STORAGE MEDIUM AND USE OF SUCH MEDIUM**



(57) Abstract: A multi stack optical data storage medium (15) for recording and reading by means of a focused radiation beam (10) is described. The beam enters the medium (15) through a first entrance face (11), and has at least a first substrate (1) with on at least one side thereof: a first layer stack (2), comprising a first information layer, a second layer stack (4), comprising a second information layer. The second layer stack is present at a position closer to the first entrance face (11) than the first layer stack (2), and is separated from the first layer stack by a first transparent spacer layer (3). The first and the second layer stack each have an effective radiation beam reflection  $R_{eff}$  between 0.04 and 0.08 according to the Blu-ray Disc (BD) standard specification. A third layer stack (6), comprising a third information layer, is present at a position closest to the first entrance face (11), and is separated from the second layer stack (4) by a second transparent spacer layer (5). The third layer stack has a radiation beam transmission  $T_3$  larger than 0.70, and the third information layer is a read only layer or a write once layer. A multi stack optical data storage medium is achieved which has increased data capacity and which has reflection values compatible with the dual stack BD standard specification.



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